

re-run

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/551,492  
Source: FWP  
Date Processed by STIC: 7/25/06

# ***ENTERED***

re-run

## CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/551,492

CRF Edit Date: 7/25/06  
Edited by: [Signature]

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

\_\_\_ Deleted: \_\_\_ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

✓  
\_\_\_ Other: corrected <1417 line

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



## RAW SEQUENCE LISTING

DATE: 09/20/2006

PATENT APPLICATION: US/10/551,492

TIME: 14:56:11

Input Set : N:\AMC\sonn078.txt

Output Set: N:\CRF4\09202006\J551492.raw

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3 <110> APPLICANT: MEINKE, ANDREAS
4     MIN BUI, DUC
5     NAGY, ESZTER
7 <120> TITLE OF INVENTION: S. Epidermidis Antigens
9 <130> FILE REFERENCE: SONN:078US
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/551,492
12 <141> CURRENT FILING DATE: 2005-09-30
14 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/003398
15 <151> PRIOR FILING DATE: 2004-03-31
17 <150> PRIOR APPLICATION NUMBER: EP03450078.5
18 <151> PRIOR FILING DATE: 2003-03-31
20 <160> NUMBER OF SEQ ID NOS: 64
22 <170> SOFTWARE: PatentIn version 3.1
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25 <211> LENGTH: 2028
26 <212> TYPE: DNA
27 <213> ORGANISM: Staphylococcus epidermidis
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34 tcatcaaagt ttgaaaatac ttctaatagt aactccatcg ctgacaaaat ccaacaagct      180
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38 cgttttagata aagtcgataa tcaatcaagt attgaccgta ttataaatga tgcaaaagat      300
40 aaaaataatc atttaaaatc gacagactct agtgccacat catcaaaaac tgaagatgac      360
42 gatacatctg aaaaagataa tgatgatatg actaaagact tagataaaat actgtcggat      420
44 ttagattcaa ttgctaataa tggtagatac cgtcaacaag gtgaagagag agcttctaaa      480
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64 aaacaagcgc ttaaacaaga aattgataag actaagcaaa gtattgaccg acaaagaaat     1080
66 attattatag atcaactcaa tgggtgctagt aataaaaaac aagcaaccga agatatctta     1140
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74 aaacaattgt tgacgacacg acttggtaat gatgaagcag atcgtattgc taaaaaattg     1380
76 ttaagccaaa acttgctcga ttctcaaatt gtagaacaat taaaacgtca tttcaatagt     1440
78 caaggaacag ctacagctga tgatatattg aatggtgtga ttaatgatgc taaagacaaa     1500

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84 gcgattgaag gcaaggcaaa tgatttatta gatatagaaa aacgagcaaa acaagctaag 1680
86 aaagatttag aatatatttt agatcctata aagaatagac catccttggt agatcgtatt 1740
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90 cactcaagag gatctattct tgataaatta gatcattcgg caccggagaa tggattatct 1860
92 ttagataata aagggtggcct tttaagtgat ctatttgacg acgatggtaa tatctcatta 1920
94 ccagcgacag gtgaagtcac caaacaacat tggataccag tggctgttgt actcatgtca 1980
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101 <212> TYPE: DNA
102 <213> ORGANISM: Staphylococcus epidermidis
104 <400> SEQUENCE: 2
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109 gaacaacatc aatcacaaaa agaaacatca aaacaatctg aaaaagatga atttaacaac 180
111 gatgattcta aacacgattc tgatgataaa aaaagcactt ctgacagcaa ggacaaagac 240
113 tctaataaac cattatcagc tgattcaaca catcgtaact ataaaatgaa agatgataat 300
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119 tttgattctg atatacaga ttacgaacag ccacaaaaga caagccattc ttctaattgac 480
121 gaaaaagatc aagtagacca agcagatcag gcaaaacaac catcacaaca tcaagaacca 540
123 tcacagtcgt ctgctaaaca agatcaagaa ccatcaaacy atgaaaaaga aaagacaact 600
125 aaccaccaag cggattctga cgtcagtgat ttacttggag aaatggataa agaagatcaa 660
127 gaaggcgaaa acgtagatac aaacaaaaat caatcttctt ctgagcaaca acaaaactcaa 720
129 gcgaatgatg atagctcaga acgtaacaaa aaatattcta gtattacaga ttcagcatta 780
131 gactctatat tagatgaata tagtcaggac gctaagaaaa cagaaaaaga ttacaataag 840
133 agcaagaata caagtcacac taaaacatct caaagtgata atgccgacaa aaatccacaa 900
135 ttaccaacag atgatgaatt aaaacatcaa tcaaaacctg cacaatcatt tgaggatgac 960
137 attaaacgct caaatcacag ttcaacaagt cttttccaac aactacctga attagacaat 1020
139 ggtgacttat cttctgattc atttaatggt gttgacagtc aagacacacg tgatttcatt 1080
141 caatcaattg ctaaagatgc gcatcagatt ggaaaagacc aagatatata tgcacagtt 1140
143 atgattgctc aagctatttt agaactctgac tctggaaaaa gttcacttgc acaatcacca 1200
145 aatcataact tgtttggaat caaagggtgac tacaaggac aatctgtaac ttttaatact 1260
147 ttagaagctg atagcagtaa tcatatgttt agtatccaag caggtttccg taaataccca 1320
149 agtactaaac aatctcttga agattatgca gatttaatca aacatgggtat cgatggtaat 1380
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155 aaacattatc atttaacatc ttttgacaaa gaaaaaatgc ctaacatgaa gaaatataat 1560
157 aaatcaatag gtacggatgt gtctggtaat gacttcaaac catttactga aacttccggt 1620
159 acatcacctt acccacatgg ccaatgtact tggatgtgt accaccgtat gaatcaattt 1680
161 gatgcattca tttctggtga cttagggtgat gctcataatt ggaataaccg tgctgaaagt 1740
163 gaaggctata cggtaacgca cacacctaaa aatcatactg cagttgtgtt tgaagctggg 1800
165 caattagggt ctgatacaca gtatgggtcat gttgccttcg ttgaaaaagt taatgacgac 1860
167 ggttcaattg ttatttctga atcaaatgtt aaaggattag gtgtcatttc attcagaact 1920
169 attgatgcag gagatgtcca agatttagat tacattaaag gtaaa 1965
172 <210> SEQ ID NO: 3
173 <211> LENGTH: 492

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174 &lt;212&gt; TYPE: DNA

175 &lt;213&gt; ORGANISM: Staphylococcus epidermidis

177 &lt;400&gt; SEQUENCE: 3

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180 atccttaata caacagctgt ttatacgtat aagccacaac aattagatga acgtcttcaa      120
182 tggatatcaat ctaaagcaaa aataaacgaa cctatatggg tttatgaaaa agaagggaaa      180
184 gtagttgggtt ttgccactta tggttccttt agacaatggc cggcctatatt atatactatt      240
186 gaacatttcta tatatgttca tcaacagtac agaggactag gtatcgcttc tcaattatta      300
188 gagaatttaa ttcgttacgc taaagaacaa ggttatcgca ccattgttgc tgggattgat      360
190 gcatcgaaca tggatagtat cgcattgcat aagaagtttg acttctcaca tgcaggtaca      420
192 attaaaaatg taggttataa atttgatcga tggctcgatt tatcatttta tcaatatgat      480
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197 &lt;210&gt; SEQ ID NO: 4

198 &lt;211&gt; LENGTH: 2856

199 &lt;212&gt; TYPE: DNA

200 &lt;213&gt; ORGANISM: Staphylococcus epidermidis

202 &lt;400&gt; SEQUENCE: 4

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205 agttcccata aaggcaatatt tgttccaaga ttactagtaa ataacaaga agaaaatgta      120
207 ctttctacta ttatagatca gctgcataat tgccaatcat tttgtatttc ggttgcatatt      180
209 ataaccgaga gtggttttagc aagtcataaa tcacattttt atgatttaag taagaaaggc      240
211 gtaaaaggaa ggataataac atcaaatatt ttaggtttta atagtccgaa aatgtttgag      300
213 gaattattga aattagagaa tgtagagggt aaattaacaa acattgaggg gttccatgct      360
215 aaggggtaca tatttgaaca tcataaccac acttctttta ttataggagg ttcgaattta      420
217 acttctaatt cattgaaatt gaattatgaa cataatttat ttttatctac tcataaaaat      480
219 ggagatcttg ttaacaatat taaatataaa tttgatgaac tttgggattc tagcttttct      540
221 ttaactaatg aatggataaa tgaatataaa cagtcttttg aatatcaaac attgcaaaaa      600
223 gtatttgata acactgttgt tcaaaattca gatattaaaa agtttaatga atcaaaactt      660
225 ataaaacca atttaatgca agaacacgca ttaaagtcac tagagtcttt gagaaatgtg      720
227 ggagaagaaa aggggttaat tatatctgag acagggactg gaaaaactat tttatgcgca      780
229 cttgatgtaa gagcttattc tccagataaa tttctattta ttgttcataa tgaaggata      840
231 ttaaatagag ctatagaaga atttaagaaa gtatttccat atgaggatga aagtaatttt      900
233 ggattattaa caggaaaacg aaaggatcat gatgctaaat tcctttttgc aacaattcaa      960
235 acactttcta aaaaggaaaa ttataaattg tttaactcta atcattttga ctacatcggt      1020
237 tttgacgagg ctcatcgaat tgctgcatct agttatcaga aaatatttaa ttattttaaa      1080
239 cctaactttt tgctaggaat gactgcaaca ccagaaagaa ctgatgaatt aaatattttt      1140
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243 attttatgtc cttttcatta ttttgaggtt acagattata ttcaaatga aatgagtcaa      1260
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257 agaggattaa gaaaaagtac taataaagaa tttgttactg ttattgattt tatcggtaat      1680
259 tataaaacta actatatgat cccaatagcc ttatctggaa ataaatctca aaataaggat      1740
261 aattacagaa aattcttaac agatactacg gttttaaacg gtgtttcaac aataaatttt      1800
263 gaagaagtag ctaaaaaataa aattttataat tcaactagatt ctgttaaatt aaatcaacca      1860
265 aaattaatta aagaagcttt taacaatgta aaagaccgta taggtaaatt acctttactt      1920

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Input Set : N:\AMC\sonn078.txt

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271 aaaaatttaa catttttatac aagacaatta acacctggac ttaaaaaagt agatattgat 2100
273 gtattgaaag aaattataca aaatgacgta acttatgaaa atttaacaaa aaaaatgtta 2160
275 aacattaata acgatatttc ggaatatgat attaacactt cattaagcat tttagatttt 2220
277 acttttttca aaaagactat aggtaaaact tacggattac ctttaataca atataaggat 2280
279 aatcttattt gtctagcaaa tgaattttaa gaggctttta ataaaccact atttaacaca 2340
281 tttattcatg atttaattga tcttgctaata tataataatg acagatatca aaataagaaa 2400
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285 gataaagatg aatctggaac aatcaatggt tatcgtatga aacatcgtac acttccttta 2520
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291 gtacaaaata ttttaaagca tgaagaaagt aatacagata tgtatatatt tgtgaaaaaa 2700
293 agagatgatg aagggaaata tttctactat ttaggtaaag ccaaataat taaaggaact 2760
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310 tctgaaacac caacagttga acaaatagaa caattaaaaa tacttgtttc tgaagaatta 180
312 actcaatatg cgtcttcaat tttattagat ccagaatatg gtttaccagc atcagatgct 240
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318 gccaatgcag ttaaattttt actttattat gatgtagatg acacagaaga aattaacata 420
320 caaaagaaag catatatatga acgaattggt tcagaatgtg ttgccgaaga tattcctttc 480
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324 aaagttaagc cacgtaaagt taatgaagca atgaagttat tctctgaaga tcgttttaat 600
326 gtggatgtac ttaaagttga agtacctgtg aatatgaatt ttgtggaagg attttcagaa 660
328 ggagaagttg tttatactaa agaagaagct gcacaacatt tccgtgatca agatgcagct 720
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334 tggtcaggag cagttaaggt atacattgaa gaaggagagc aagctgccag agaatggttg 900
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351 catagagaga tgcttgattc agtggtgaat acttttaaca taagtgcaga ttatgatttg 180
353 aatattatga aagctggtca aacattgtct gaagtaacat ctgaagcaat gaaaaagtta 240
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363 gagggtaaat tagccaaaca tatagctatc actggtaata cagctattga cgcaatgaat 540
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369 gcgattagaa agttgattga tgaatatcag gatttagcgt tggcttatcc tatgcatatg 720
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373 atagaaccac ttgatgtggt tgattttcat aattttgcta aacaagcata tctcattatg 840
375 actgactctg gtggaataca agaggaggca ccatcattac acaaaccagt tttagtattg 900
377 agagatagta ctgaaagacc ggaggaggta gatgctggaa ctttgagagt cattgggtacg 960
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381 aaaatgagtc aagctgttaa tccatatggc gatggacaag ctagtgagag aattgtgcaa 1080
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398 gacttagaag tttcagatac aaagaaatca gaaaataatg ctataaaaag tgcaaacac 180
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426 aaattagctt taacttctca aattgagcgt attgaaaaca gaatggctgc tacaattgat 1020
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VERIFICATION SUMMARY

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TIME: 14:56:12

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Output Set: N:\CRF4\09202006\J551492.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number



**Raw Sequence Listing before editing  
(for reference only)**



## RAW SEQUENCE LISTING

DATE: 09/20/2006

PATENT APPLICATION: US/10/551,492

TIME: 14:49:52

Input Set : E:\sonn078.txt

Output Set: N:\CRF4\09202006\J551492.raw

3 <110> APPLICANT: MEINKE, ANDREAS  
 4 MIN BUI, DUC  
 5 NAGY, ESZTER  
 7 <120> TITLE OF INVENTION: S. Epidermidis Antigens  
 9 <130> FILE REFERENCE: SONN:078US  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/551,492  
 W--> 12 <140> CURRENT APPLICATION NUMBER: 2005-09-30  
 C--> 14 <141> CURRENT FILING DATE: 2005-09-30  
 14 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/003398  
 15 <151> PRIOR FILING DATE: 2004-03-31  
 17 <150> PRIOR APPLICATION NUMBER: EP03450078.5  
 18 <151> PRIOR FILING DATE: 2003-03-31  
 20 <160> NUMBER OF SEQ ID NOS: 64  
 22 <170> SOFTWARE: PatentIn version 3.1  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 2028  
 26 <212> TYPE: DNA  
 27 <213> ORGANISM: Staphylococcus epidermidis  
 29 <400> SEQUENCE: 1

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 34 tcatcaaatg ttgaaaatac ttctaatagt aactccatcg ctgacaaaat ccaacaagct 180  
 36 aaagatgata ttaaagattt gaaagaactt tctgacgcag atatcaaaag ttttgaagaa 240  
 38 cgttttagata aagtcgataa tcaatcaagt attgaccgta ttataaatga tgcaaaagat 300  
 40 aaaaataatc atttaaaatc gacagactct agtggccatc catcaaaaac tgaagatgac 360  
 42 gatacatctg aaaaagataa tgatgatatg actaaagact tagataaaat actgtcggat 420  
 44 tttagattcaa ttgctaaaaa tgttgataac cgtcaacaag gtgaagagag agctttctaaa 480  
 46 cctagtgact caacaaccga tgaaaaagat gattcaaata ataaagtaca cgatacaaat 540  
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 50 aaaatccaac aagattttta atctgactct aataataatc cttctgaaca aagcgatcag 660  
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 54 caatccgata gtgatagtaa agacgataaa agtaatgatg gtcacgctc aacattagaa 780  
 56 cgtatagcat cagatactga tcaaatagg gattcaaaag atcaacatgt cacagatgaa 840  
 58 aaacaagata tacaagcaat tacacgttca ttacaaggta gtgataagat tgaaaaagca 900  
 60 cttgctaagg tacaatctga caatcaatca ctagattcta attatataaa taataaatta 960  
 62 atgaatttaa gatcactaga taaaaagta gaggataata acactttatc tgatgataag 1020  
 64 aaacaagcgc ttaaaacaaga aattgataag actaagcaaa gtattgaccg acaaagaaat 1080  
 66 attattatag atcaactcaa tgggtgctagt aataaaaaac aagcaaccga agatatctta 1140  
 68 aatagtgttt ttagcaaaaa tgaagtagaa gacataatga aacgtattaa aacaaatggc 1200  
 70 cgaagtaatg aagatatcgc taatcaaatt gccaaagcaaa ttgatggctc tgcattaact 1260  
 72 tctagtgatg atatttttaa atcaatgtta gatcaatcta aagataaaga aagtttaatt 1320  
 74 aaacaattgt tgacgacacg acttggtaat gatgaagcag atcgtattgc taaaaaattg 1380  
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Does Not Comply  
Corrected Diskette Needed

## RAW SEQUENCE LISTING

DATE: 09/20/2006

PATENT APPLICATION: US/10/551,492

TIME: 14:49:52

Input Set : E:\sonn078.txt

Output Set: N:\CRF4\09202006\J551492.raw

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82 gctgatgtta ttgcgcgtgt acaaaaggac aaatcagata tcatggatct cattcactct 1620
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88 aacaaaggtg tcggtgattc taattcaata tttgatagac caagtttact tgataaactt 1800
90 cactcaagag gatctattct tgataaatta gatcattcgg caccggagaa tggattatct 1860
92 ttagataata aaggtggcct tttaagtgat ctatttgacg acgatggtaa tatctcatta 1920
94 ccagcgacag gtgaagtcac caaacaacat tggataccag tggctgttgt actcatgtca 1980
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100 <211> LENGTH: 1965
101 <212> TYPE: DNA
102 <213> ORGANISM: Staphylococcus epidermidis
104 <400> SEQUENCE: 2
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109 gaacaacatc aatcacaaaa agaaacatca aaacaatctg aaaaagatga atttaacaac 180
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113 tctaataaac cattatcagc tgattcaaca catcgtaact ataaaatgaa agatgataat 300
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119 tttgattctg atataacaga ttacgaacag ccacaaaaga caagccattc ttctaattgac 480
121 gaaaaagatc aagtagacca agcagatcag gcaaaaacac catcacaca tcaagaacca 540
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157 aatcaatag gtacggatgt gtctggtaat gacttcaaac catttactga aacttccggt 1620
159 acatcacctt acccacatgg ccaatgtact tggatgtgt accaccgtat gaatcaattt 1680
161 gatgcatcca tttctggtga cttagggtgat gtcataatt ggaataaccg tgctgaaagt 1740
163 gaaggctata cggtaacgca cacacctaaa aatcatactg cagttgtgtt tgaagctggg 1800
165 caattagggt ctgatacaca gtatggtcac gttgccttcg ttgaaaaagt taatgacgac 1860
167 ggttcaattg ttatttctga atcaaatgtt aaaggattag gtgtcatttc attcagaact 1920
169 attgatgcag gagatgctca agatttagat tacattaaag gtaaa 1965
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## RAW SEQUENCE LISTING

DATE: 09/20/2006

PATENT APPLICATION: US/10/551,492

TIME: 14:49:52

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Output Set: N:\CRF4\09202006\J551492.raw

173 &lt;211&gt; LENGTH: 492

174 &lt;212&gt; TYPE: DNA

175 &lt;213&gt; ORGANISM: Staphylococcus epidermidis

177 &lt;400&gt; SEQUENCE: 3

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182 tggatatcaat ctaaagcaaa aataaacgaa cctatatggg tttatgaaaa agaaggga	180
184 gtagttgggt ttgccactta tggttccttt agacaatggc cggcctatatt atatactatt	240
186 gaacattcta tatatgttca tcaacagtac agaggactag gtatcgcttc tcaattatta	300
188 gagaatttaa ttcgttacgc taaagaacaa gggtatcgca ccattgttgc tgggattgat	360
190 gcatcgaaca tggatagtat cgcattgcat aagaagtttg acttctcaca tgcaggtaca	420
192 attaaaaatg taggttataa atttgatcga tggctcgatt tatcatttta tcaatatgat	480
194 ttatctgatt ca	492

197 &lt;210&gt; SEQ ID NO: 4

198 &lt;211&gt; LENGTH: 2856

199 &lt;212&gt; TYPE: DNA

200 &lt;213&gt; ORGANISM: Staphylococcus epidermidis

202 &lt;400&gt; SEQUENCE: 4

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205 agttcccata aaggcaattt tgttccaaga ttactagtaa ataacaaaga agaaaatgta	120
207 ctttctacta ttatagatca gctgcataat tgccaatcat tttgtatttc ggttgcattt	180
209 ataaccgaga gtggttttagc aagtctaaaa tcacattttt atgatttaag taagaaaggc	240
211 gtaaaaggaa ggataataac atcaaattac ttaggtttta atagtccgaa aatgtttgag	300
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215 aaggggtaca tatttgaaca tcataaccac acttctttta ttataggag ttcgaattta	420
217 acttctaatt cattgaaatt gaattatgaa cataatttat ttttatctac tcataaaaaat	480
219 ggagatcttg ttaacaatat taaatataaa tttgatgaac tttgggattc tagcttttct	540
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225 ataaaaccca atttaatgca agaacacgca ttaaagtcac tagagtcttt gagaaatgtg	720
227 ggagaagaaa aggggttaat tatatctgcg acagggactg gaaaaactat tttatgcgca	780
229 cttgatgtaa gagcttattc tccagataaa tttctattta ttgttcataa tgaaggata	840
231 ttaaataagag ctatagaaga atttaagaaa gtatttccat atgaggatga aagtaatttt	900
233 ggattattaa caggaaaacg aaaggatcat gatgctaaat tcctttttgc aacaattcaa	960
235 acactttcta aaaaggaaaa ttataaattg tttaactcta atcattttga ctacatcggt	1020
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249 aggggtgagg cgtatcaatt agcaaaccac ttaagtaaac gtggtatatc atcggttggt	1440
251 ttgacaggaa aagattctat agcttataga gctgaaacaa ttcaacaact aaaagaagga	1500
253 tctattaatt atataattac tgtagatttg tttaacgaag gaattgatat tcctgaaata	1560
255 aatcaagttg taatgttaag acctactaaa tcaagtatta tatttattca acagcttggt	1620
257 agaggattaa gaaaaagtac taataaagaa tttgttactg ttattgattt tatcggta	1680
259 tataaaacta actatatgat cccaatagcc ttatctggaa ataaatctca aaataaggat	1740
261 aattacagaa aattcttaac agatactacg gttttaaacg gtgtttcaac aataaatttt	1800
263 gaagaagtag ctaaaaataa aattttataat tcactagatt ctgttaaatt aaatcaacca	1860

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DATE: 09/20/2006

PATENT APPLICATION: US/10/551,492

TIME: 14:49:52

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269 tattatgagt ttttaataaa aaataaaaatt attgagaatg aattaagtat taatgaattt 2040
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287 tttatcactt atgataaaca tgagaatatc agtgataata ctaagtacga cgatgaattt 2580
289 ttgagccaag acgaattgaa atggtacacg cgggtccaatc gtaaattaac ttcaccagaa 2640
291 gtacaaaata ttttaaagca tgaagaaagt aatacagata tgtatatatt tgtgaaaaaa 2700
293 agagatgatg aagggaaata tttctactat ttaggtaaag ccaaataat taaaggaact 2760
295 gagaagcaag attatatgcc taatggaaat agcgtggtaa ctatgcatct atcaatgaat 2820
297 acgtccattc gagatgatat ttatagatac atcact 2856

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300 &lt;210&gt; SEQ ID NO: 5

301 &lt;211&gt; LENGTH: 975

302 &lt;212&gt; TYPE: DNA

303 &lt;213&gt; ORGANISM: Staphylococcus epidermidis

305 &lt;400&gt; SEQUENCE: 5

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310 tctgaaacac caacagttga acaaatagaa caattaaaag tacttgtttc tgaagaatta 180
312 actcaatatg cgtcttcaat tttattagat ccagaatatg gtttaccagc atcagatgct 240
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316 aaaggtcggt tgccagattg cttggtagaa tgggtctgca aacgtttgaa agagcaaggg 360
318 gccaatgcag ttaaattttt actttattat gatgtagatg acacagaaga aattaacata 420
320 caaaagaaag catatatattga acgaattggt tcagaatgtg ttgccgaaga tattcctttc 480
322 ttcttggaag ttttaacata tgacgacaat attcctgaca ataaaagtgc agaattcgct 540
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334 tggtcaggag cagtttaaggt atacattgaa gaaggagagc aagctgccag agaatggttg 900
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341 &lt;210&gt; SEQ ID NO: 6

342 &lt;211&gt; LENGTH: 1146

343 &lt;212&gt; TYPE: DNA

344 &lt;213&gt; ORGANISM: Staphylococcus epidermidis

346 &lt;400&gt; SEQUENCE: 6

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347 ttgatgaaaa aagttatgac catatttgga actaggcctg aagctataaa aatggctccg 60
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353 aatattatga aagctggtca aacattgtct gaagtaacat ctgaagcaat gaaaaagtta 240
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## RAW SEQUENCE LISTING

DATE: 09/20/2006

PATENT APPLICATION: US/10/551,492

TIME: 14:49:52

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Output Set: N:\CRF4\09202006\J551492.raw

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361 ggggtaattg cagatttgca ctttgcccca acctataatg ctgcacagaa tttagtataaa 480
363 gagggtaaat tagccaaaca tatagctatc actggtaata cagctattga cgcaatgaat 540
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377 agagatagta ctgaaagacc ggaggggagta gatgctggaa ctttgagagt cattggtacg 960
379 aatgaagaag atgtctataa tgaaactaaa aaattaatag aaaaccaga cttttatcaa 1020
381 aaaatgagtc aagctgttaa tccatatggc gatggacaag ctagtgagag aattgtgcaa 1080
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389 <211> LENGTH: 8271
390 <212> TYPE: DNA
391 <213> ORGANISM: Staphylococcus epidermidis
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398 gacttagaag ttccagatac aaagaaatca gaaaataatg ctataaaaag tgcaaacaac 180
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438 gttactgggtg atgacaatgc acttcaacaa acattttattg acgcaaataa tgctgcttct 1380
440 caattcggac agacattagg aagcgtatta gatgtatatg cagaattcgc tagacaaggt 1440
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448 acaactgttg aaaagttagc acaaggtcaa gcaaaagctg gctctactgc taaatcaatg 1680
450 ggacttactt ttgatgaaac taatggtatt attggtgcat taacagctaa gactaagcaa 1740

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**VERIFICATION SUMMARY**

**PATENT APPLICATION: US/10/551,492**

**DATE: 09/20/2006**

**TIME: 14:49:53**

**Input Set : E:\sonn078.txt**

**Output Set: N:\CRF4\09202006\J551492.raw**

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L:12 M:283 W: Missing Blank Line separator, <140> field identifier  
L:12 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date